



Detailed Project Recommendations for Russeifah

The USAID Water Reuse and Environmental Conservation Project is working closely with the Government of Jordan (GOJ) to implement the project's comprehensive recommendations for cleaning up and re-developing the six areas at the Russeifah site. The GoJ is currently allocating funds for these projects.

Old landfill (Area 1)

- Control land development proposals for the 800,000-m² area, and reject any that are inappropriate for the GoJ's overall vision of the site
- Implement landfill closure components (evapotranspiration cover and storm water drainage system) to reduce risk of ground water contamination and to reduce air pollution by enhanced gas collection
- Prepare and implement a plan for site post-closure care and post-closure use

Mining pit (Area 2)

- Build construction and demolition (C&D) landfill components (landfill liner and leachate system) to protect ground water resources
- Require Greater Amman Municipality (GAM) to adopt suitable, safer operations criteria as a condition for continued C&D use

Phosphate pile (Area 3)

- Resolve ownership of the 4.5 million m³ of phosphate pile material; Jordan Phosphate Mining Company (JPMC) currently maintains ownership
- Reshape and cap the phosphate pile, to reduce air pollution from naturally occurring radioactive material and improve the pile's physical stability

Lagoon (Area 4)

- Rehabilitate water and wastewater infrastructure at the nearby Hittin Camp, to reduce wastewater contamination of surface water network and lagoon
- Construct a vegetated bioswale to reduce lagoon contamination

Tunnels (Area 5)

- Create a governmental committee, representing all concerned ministries, to study structural integrity of houses located on top of and near to tunnels
- Provide proper closure of high-risk tunnel areas near and under houses in Russeifah or relocate people living in these houses
- Create land use restrictions for the remaining tunnels, since they will not be properly closed

Overburden pile (Area 6)

- Assign the land to an industrial cities development company, for development into prestige industrial facilities
- Remove overburden material for use as cover for the nearby landfill closure project



Vegetated bioswale will reduce algal blooms at the lagoon



Site investigation at the phosphate pile showed that stabilization is required



Radiological assessment confirmed the need to reduce air pollution



Abandoned mining tunnels require proper closure